



DATASHEET

Te3 Severe Duty CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 Severe Duty CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		90
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		315M/L-468
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	741
CURRENT		
FULL LOAD	(Amps)	164
LOCKED ROTOR	%	660
TORQUE		
FULL LOAD TORQUE	(Nm)	1161
STARTING TORQUE	%	180
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	4.65
EFFICIENCY		
100% LOAD	%	93.5
75% LOAD	%	94.2
50% LOAD	%	93.8
POWER FACTOR		
100% LOAD	%	80
75% LOAD	%	77
50% LOAD	%	68
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	1160
BEARINGS		
DRIVE END		6319
NON DRIVE END		6319
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	74
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C